

09677403\_CLSTITLES

*Titles of Most frequently Occurring Classifications of Patents Returned  
From A Search of 09677403 on February 23, 2004*

7 345/473 (6 OR, 1 XR)

*Class 3 5 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS*

345/418 COMPUTER GRAPHICS PROCESSING

345/473 .Animation

6 701/110 (2 OR, 4 XR)

*Class 701 : DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION*

701/1 VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION

701/99 .With indicator or control of power plant  
(e.g., performance)

701/101 ..Internal-combustion engine

701/102 ...Digital or programmed data processor

701/110 ....Speed, acceleration, deceleration

5 719/315 (3 OR, 2 XR)

*Could not find class title.*

*Could not find class schedule.*

*Could not find subclass title.*

4 73/117.3 (0 OR, 4 XR)

*Class 073 : MEASURING AND TESTING*

73/116 MOTOR AND ENGINE TESTING

73/117.2 .Disparate tests under operating conditions

73/117.3 ..With continuous operation

4 434/322 (0 OR, 4 XR)

*Class 434 : EDUCATION AND DEMONSTRATION*

434/322 QUESTION OR PROBLEM ELICITING RESPONSE

4 434/350 (4 OR, 0 XR)

*Class 434 : EDUCATION AND DEMONSTRATION*

434/322 QUESTION OR PROBLEM ELICITING RESPONSE

434/350 .Response of plural examinees communicated to  
monitor or recorder by electrical signals

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4 717/108 (2 OR, 2 XR)

Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT

717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,  
INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)

717/106 .Code generation

717/108 ..Object oriented

4 718/101 (2 OR, 2 XR)

Could not find class title.

Could not find class schedule.

Could not find subclass title.

3 73/116 (2 OR, 1 XR)

Class 073 : MEASURING AND TESTING

73/116 MOTOR AND ENGINE TESTING

3 345/629 (1 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR  
INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/619 .Graphic manipulation (object processing or  
display attributes)

345/629 ..Merge or overlay

3 700/86 (2 OR, 1 XR)

Class 700 : DATA PROCESSING: GENERIC CONTROL SYSTEMS OR  
SPECIFIC APPLICATIONS

700/1 GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS

700/86 .Having preparation of program

3 703/13 (2 OR, 1 XR)

Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
MODELING, SIMULATION, AND EMULATION

703/13 SIMULATING ELECTRONIC DEVICE OR ELECTRICAL  
SYSTEM

3 713/200 (2 OR, 1 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/200 SECURITY

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3 715/500 (1 OR, 2 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT

715/500 MISCELLANEOUS

3 717/107 (2 OR, 1 XR)

Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT, INSTALLATION, AND MANAGEMENT

717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,

INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)

717/106 ..Code generation

717/107 ..Component based

2 29/830 (0 OR, 2 XR)

Class 029 : METAL WORKING

29/592 METHOD OF MECHANICAL MANUFACTURE

29/592.1 ..Electrical device making

29/825 ..Conductor or circuit manufacturing

29/829 ...On flat or curved insulated base, e.g.,  
printed circuit, etc.

29/830 ....Assembling bases

2 74/335 (2 OR, 0 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM

74/640 GEARING

74/325 ..Interchangeably locked

74/335 ..Control mechanism

2 74/473.12 (0 OR, 2 XR)

Class 074 : MACHINE ELEMENT OR MECHANISM

74/469 CONTROL LEVER AND LINKAGE SYSTEMS

74/471R ..Multiple controlled elements

74/473.1 ..Transmission control

74/473.12 ..Electrical actuator

2 174/255 (0 OR, 2 XR)

Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS

174/68.1 CONDUITS, CABLES OR CONDUCTORS

174/250 ..Preformed panel circuit arrangement (e.g.,  
printed circuit)

174/255 ..With particular substrate or support  
structure

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2 174/260 (0 OR, 2 XR)

Class 174 : ELECTRICITY: CONDUCTORS AND INSULATORS

174/68.1 CONDUITS, CABLES OR CONDUCTORS

174/250 .Preformed panel circuit arrangement (e.g.,  
printed circuit)

174/260 ..With electrical device

2 252/187.1 (0 OR, 2 XR)

Class 252 : COMPOSITIONS

252/186.1 OXIDATIVE BLEACHANT, OXIDANT CONTAINING, OR  
GENERATIVE

252/187.1 .Free halogen or oxy-halogen acid type

2 252/187.31 (2 OR, 0 XR)

Class 252 : COMPOSITIONS

252/186.1 OXIDATIVE BLEACHANT, OXIDANT CONTAINING, OR  
GENERATIVE

252/187.1 .Free halogen or oxy-halogen acid type

252/187.31 ..Chlorate or perchlorate

2 345/474 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR

INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/418 COMPUTER GRAPHICS PROCESSING

345/473 .Animation

345/474 ..Motion planning or control

2 345/854 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING, OPERATOR

INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER  
INTERFACE)

345/764 .On-screen workspace or object

345/853 ..Hierarchy or network structure

345/854 ...Navigation within structure

2 345/866 (0 OR, 2 XR)

Class 345 : COMPUTER GRAPHICS PROCESSING OPERATOR

INTERFACE PROCESSING, AND SELECTIVE VISUAL DISPLAY  
SYSTEMS

345/700 OPERATOR INTERFACE (E.G., GRAPHICAL USER

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*INTERFACE)*

345/866      .*Miscellaneous customization or adaptation*

2 361/792    (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600       HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE  
ELECTRICAL COMPONENTS

361/679       .*For electronic systems and devices*

361/748       ..*Printed circuit board*

361/784       ...*Plural*

361/792       ....*Plural contiguous boards*

2 361/795    (2 OR, 0 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600       HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE  
ELECTRICAL COMPONENTS

361/679       .*For electronic systems and devices*

361/748       ..*Printed circuit board*

361/784       ...*Plural*

361/792       ....*Plural contiguous boards*

361/795       .....*Plural dielectric layers*

2 422/126    (0 OR, 2 XR)

Class 422 : CHEMICAL APPARATUS AND PROCESS DISINFECTION,  
DEODORIZING, PRESERVING, OR STERILIZING

422/120       FOR DEODORIZING OF, OR CHEMICAL PURIFICATION  
OF, OR GENERATION OF, LIFE-SUSTAINING ENVIRONMENTAL GAS

422/123       .*Including means adding material into  
environmental gas*

422/125       ..*With material-heating means*

422/126       ...*Material is combusted*

2 428/209    (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/98       STRUCTURALLY DEFINED WEB OR SHEET (E.G.,  
OVERALL DIMENSION, ETC.)

428/195.1      .*Discontinuous or differential coating,  
impregnation or bond (e.g., artwork, printing, retouched  
photograph, etc.)*

428/209       ..*Including metal layer*

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2 428/212 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
428/98 STRUCTURALLY DEFINED WEB OR SHEET (E.G.,  
OVERALL DIMENSION, ETC.)

428/212 .Including components having same physical  
characteristic in differing degree

2 428/220 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
428/98 STRUCTURALLY DEFINED WEB OR SHEET (E.G.,  
OVERALL DIMENSION, ETC.)  
428/220 .Physical dimension specified

2 428/901 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES  
428/901 PRINTED CIRCUIT

2 434/118 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION  
434/118 COMPUTER LOGIC, OPERATION, OR PROGRAMMING  
INSTRUCTION

2 434/236 (1 OR, 1 XR)

Class 434 : EDUCATION AND DEMONSTRATION  
434/236 PSYCHOLOGY

2 434/238 (1 OR, 1 XR)

Class 434 : EDUCATION AND DEMONSTRATION  
434/236 PSYCHOLOGY  
434/238 .Behavior or performance display (e.g., board  
for showing completed chores, etc.)

2 434/336 (0 OR, 2 XR)

Class 434 : EDUCATION AND DEMONSTRATION  
434/322 QUESTION OR PROBLEM ELICITING RESPONSE  
434/327 .Correctness of response indicated to examinee  
by self-operating or examinee actuated means  
434/335 ..By means including electrical component  
434/336 ...Response of plural examinees communicated to  
monitor or recorder by electrical signals

2 435/69.1 (1 OR, 1 XR)

Class 435 : CHEMISTRY: MOLECULAR BIOLOGY AND MICROBIOLOGY

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435/41            *MICRO-ORGANISM, TISSUE CELL CULTURE OR ENZYME  
USING PROCESS TO SYNTHESIZE A DESIRED CHEMICAL COMPOUND OR  
COMPOSITION*

435/69.1        *.Recombinant DNA technique included in method  
of making a protein or polypeptide*

2 530/350        *(0 OR, 2 XR)*

Class 530 : *CHEMISTRY: NATURAL RESINS OR DERIVATIVES;  
PEPTIDES OR PROTEINS; LIGNINS OR REACTION PRODUCTS  
THEREOF*

530/350        *PROTEINS, I.E., MORE THAN 100 AMINO ACID  
RESIDUES*

2 700/182        *(1 OR, 1 XR)*

Class 700 : *DATA PROCESSING: GENERIC CONTROL SYSTEMS OR  
SPECIFIC APPLICATIONS*

700/90        *SPECIFIC APPLICATION, APPARATUS OR PROCESS*

700/95        *.Product assembly or manufacturing*

700/117        *..Particular manufactured product or operation*

700/159        *...Machining*

700/180        *....Having operator interface feature*

700/182        *.....Including CAD, CAM, or CIM technique*

2 700/83        *(0 OR, 2 XR)*

Class 700 : *DATA PROCESSING: GENERIC CONTROL SYSTEMS OR  
SPECIFIC APPLICATIONS*

700/1        *GENERIC CONTROL SYSTEM, APPARATUS OR PROCESS*

700/83        *.Having operator control interface (e.g.,  
control/display console)*

2 701/111        *(2 OR, 0 XR)*

Class 701 : *DATA PROCESSING: VEHICLES, NAVIGATION, AND  
RELATIVE LOCATION*

701/1        *VEHICLE CONTROL, GUIDANCE, OPERATION, OR  
INDICATION*

701/99        *.With indicator or control of power plant  
(e.g., performance)*

701/101        *..Internal-combustion engine*

701/102        *...Digital or programmed data processor*

701/111        *....Vibration, roughness, knock*

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2 703/22 (1 OR, 1 XR)

Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
MODELING, SIMULATION, AND EMULATION

703/13 SIMULATING ELECTRONIC DEVICE OR ELECTRICAL  
SYSTEM

703/22 .Software program (i.e., performance  
prediction)

2 703/6 (2 OR, 0 XR)

Class 703 : DATA PROCESSING: STRUCTURAL DESIGN,  
MODELING, SIMULATION, AND EMULATION

703/6 SIMULATING NONELECTRICAL DEVICE OR SYSTEM

2 705/26 (0 OR, 2 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

705/26 .Electronic shopping (e.g., remote ordering)

2 705/40 (2 OR, 0 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMINATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

705/35 .Finance (e.g., banking, investment or credit)

705/39 ..Including funds transfer or credit  
transaction

705/40 ...Bill distribution or payment

2 706/23 (0 OR, 2 XR)

Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE

706/15 NEURAL NETWORK

706/16 .Learning task

706/23 ..Control

2 706/53 (1 OR, 1 XR)

Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE

706/45 KNOWLEDGE PROCESSING SYSTEM

706/46 .Knowledge representation and reasoning  
technique

706/53 ..Frame-based reasoning system

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2 706/927 (0 OR, 2 XR)

Class 706 : DATA PROCESSING: ARTIFICIAL INTELLIGENCE

706/902 APPLICATION USING AI WITH DETAIL OF THE AI  
SYSTEM

706/927 .Education or instruction

2 707/1 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

2 707/10 (1 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/10 .Distributed or remote access

2 707/100 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

2 707/104.1 (1 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/104.1 .Application of database or data structure  
(e.g., distributed, multimedia, image)

2 709/217 (0 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COORDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/217 .Remote data accessing

2 714/738 (0 OR, 2 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING

714/724 .Digital logic testing

714/738 ..Including test pattern generator

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2 715/500.1 (0 OR, 2 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT

715/500.1 SYNCHRONIZATION OF DIVERSE MEDIA

2 715/501.1 (0 OR, 2 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT

715/501.1 HYPERMEDIA

2 715/513 (2 OR, 0 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT

715/513 STRUCTURED DOCUMENT (E.G., HTML, SGML, ODA,  
CDA)

2 716/4 (1 OR, 1 XR)

Class 716 : DATA PROCESSING: DESIGN AND ANALYSIS OF  
CIRCUIT OR SEMICONDUCTOR MASK

716/1 CIRCUIT DESIGN

716/4 .Testing or evaluating

2 717/116 (1 OR, 1 XR)

Class 717 : DATA PROCESSING: SOFTWARE DEVELOPMENT,  
INSTALLATION, AND MANAGEMENT

717/100 SOFTWARE PROGRAM DEVELOPMENT TOOL (E.G.,

INTEGRATED CASE TOOL OR STAND-ALONE DEVELOPMENT TOOL)

717/114 .Programming language

717/116 ..Object oriented

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*PLUS Search Results for S/N 09677403, Searched February 23, 2004*

*The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.*

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*Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09677403 on February 23, 2004*

*Original Classifications*

6 345/473  
4 434/350  
3 719/315  
2 73/116  
2 74/335  
2 252/187.31  
2 361/795  
2 700/86  
2 701/110  
2 701/111  
2 703/13  
2 703/6  
2 705/40  
2 713/200  
2 715/513  
2 717/107  
2 717/108  
2 718/101

*Cross-Reference Classifications*

4 73/117.3  
4 434/322  
4 701/110  
2 29/830  
2 74/473.12  
2 174/255  
2 174/260  
2 252/187.1  
2 345/474  
2 345/629  
2 345/854  
2 345/866  
2 361/792  
2 422/126  
2 428/209  
2 428/212  
2 28/220  
2 428/901

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2 434/118  
2 434/336  
2 530/350  
2 700/83  
2 705/26  
2 706/23  
2 706/927  
2 707/1  
2 707/100  
2 709/217  
2 714/738  
2 715/500  
2 715/500.1  
2 715/501.1  
2 717/108  
2 718/101  
2 719/315

*Combined Classifications*

7 345/473  
6 701/110  
5 719/315  
4 73/117.3  
4 434/322  
4 434/350  
4 717/108  
4 718/101  
3 73/116  
3 345/629  
3 700/86  
3 703/13  
3 713/200  
3 715/500  
3 717/107  
2 29/830  
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2 174/255  
2 174/260  
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2 252/187.31  
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2 703/22  
2 703/6  
2 705/26  
2 705/40  
2 706/23  
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